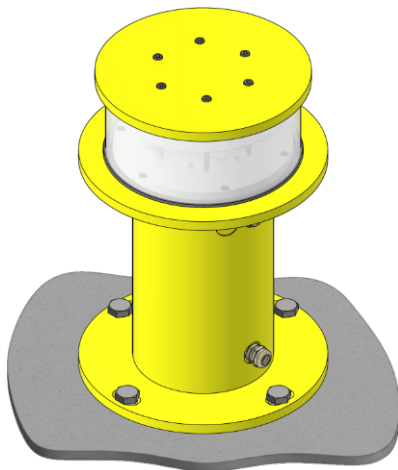
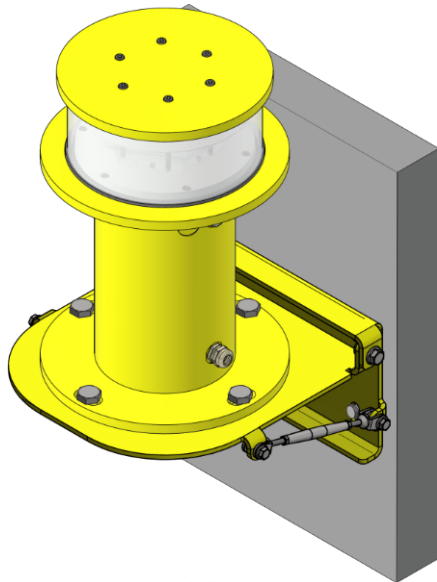


QUASAR

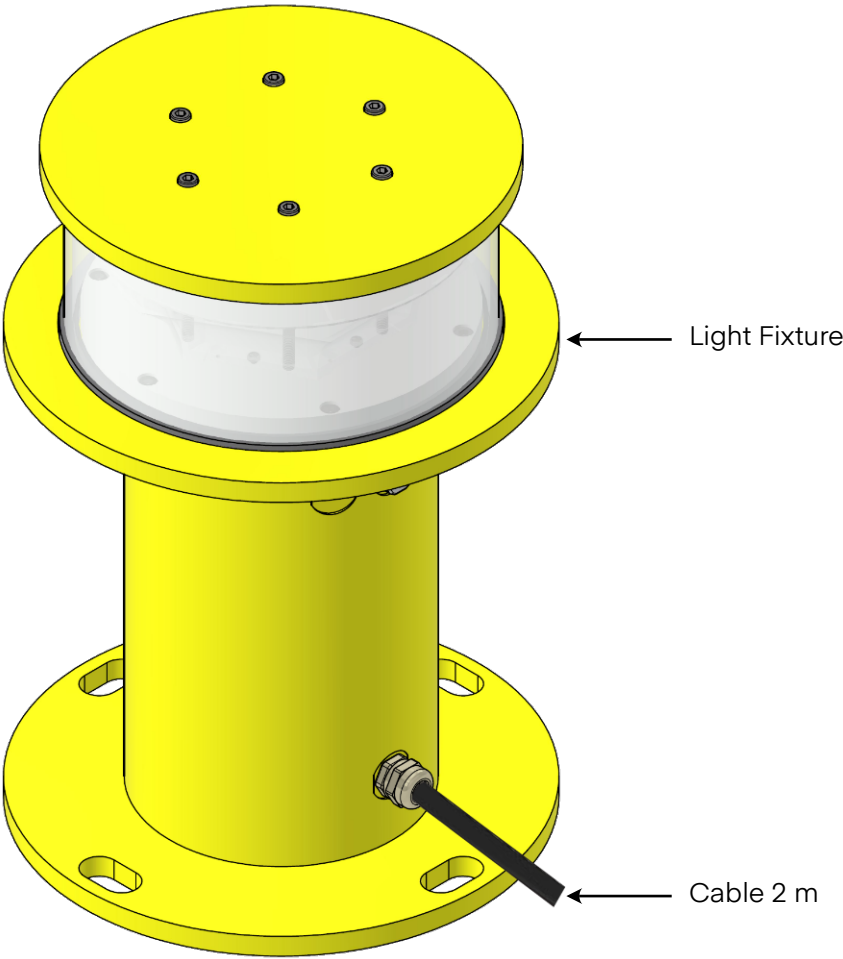


Compliance to standards	ICAO: International Civil Aviation Organization, Aerodromes, Annex 14, Vol. 1 - Aerodrome Design and Operations, Paragraph 6 Romania CAA (Romanian Civil Aeronautical Authority): -Type B - No. 9525 from 10.04.2017 -Type C - No. 5836 from 10.04.2017																																				
Application	Marking of aerial obstacles, such as: towers, buildings, antennas																																				
Features	Designed and built with simplicity and ease of maintenance in mind. High power LED technology in 100000 hours estimated lifetime. Lightweight, low-energy and environment friendly lighting fitting. Extensive use of aluminium alloys reduces fitting weight and eases handling in the field.																																				
Product Code	AL - OBS - XX - XXX <table> <tr> <td>Series Indicator (Airfield Lighting)</td><td>AL</td></tr> <tr> <td>Category (Obstruction Lighting)</td><td>OBS</td></tr> <tr> <td>Product Indicator</td><td>XX</td></tr> <tr> <td> 12 - Medium Intensity Obstruction Lighting Type A</td><td></td></tr> <tr> <td> 13 - Medium Intensity Obstruction Lighting Type B</td><td></td></tr> <tr> <td> 14 - Medium Intensity Obstruction Lighting Type C</td><td></td></tr> <tr> <td> 24 - Medium Intensity Obstruction Lighting Type A/B</td><td></td></tr> <tr> <td> 15 - Medium Intensity Obstruction Lighting Type A/C</td><td></td></tr> <tr> <td> 20 - Medium Intensity Obstruction Lighting Type B Double (Twin)</td><td></td></tr> <tr> <td> 21 - Medium Intensity Obstruction Lighting Type C Double (Twin)</td><td></td></tr> <tr> <td>Power Supply</td><td>XXX</td></tr> <tr> <td> 230 - Power Supply: 100-230 VAC</td><td></td></tr> <tr> <td> 048 - Power Supply: 48 VDC</td><td></td></tr> <tr> <td> 024 - Power Supply: 24 VDC</td><td></td></tr> <tr> <td>Optional:</td><td></td></tr> <tr> <td>Photocell</td><td>PE</td></tr> <tr> <td>NVG/InfraRed</td><td>IR</td></tr> <tr> <td>Bluetooth</td><td>BT</td></tr> </table>	Series Indicator (Airfield Lighting)	AL	Category (Obstruction Lighting)	OBS	Product Indicator	XX	12 - Medium Intensity Obstruction Lighting Type A		13 - Medium Intensity Obstruction Lighting Type B		14 - Medium Intensity Obstruction Lighting Type C		24 - Medium Intensity Obstruction Lighting Type A/B		15 - Medium Intensity Obstruction Lighting Type A/C		20 - Medium Intensity Obstruction Lighting Type B Double (Twin)		21 - Medium Intensity Obstruction Lighting Type C Double (Twin)		Power Supply	XXX	230 - Power Supply: 100-230 VAC		048 - Power Supply: 48 VDC		024 - Power Supply: 24 VDC		Optional:		Photocell	PE	NVG/InfraRed	IR	Bluetooth	BT
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Bluetooth	BT																																				

Description	Housing - powder coated aluminium RAL 1004 (aviation yellow)  Disperser - hardened glass Cable gland - nickel plated brass Fasteners - stainless steel Light fixtures are provided with anti-condensation valve.
Environment	Temperature range: -55° to +55° Degree of protection: IP67
Mounting	Medium intensity obstruction lights can be installed on flat horizontal or vertical surfaces. For vertical installation, a wall mounting bracket must be used. The bracket allows horizontal adjustment (tilt) to ensure proper alignment.  Horizontal flat surface  Vertical flat surface

Electrical
Characteristics

Type	Type A	Type B	Type C	Type A/B	Type A/C
Peak Power	220 W	35 W	35 W	220 W	220 W
Average Power Consumption	110 Wh	6 Wh	35 Wh	110 Wh / 6 Wh	110 Wh / 35 Wh
Power Supply	Power Supply: 100-230 VAC Power Supply: 48 VDC; 24 VDC				



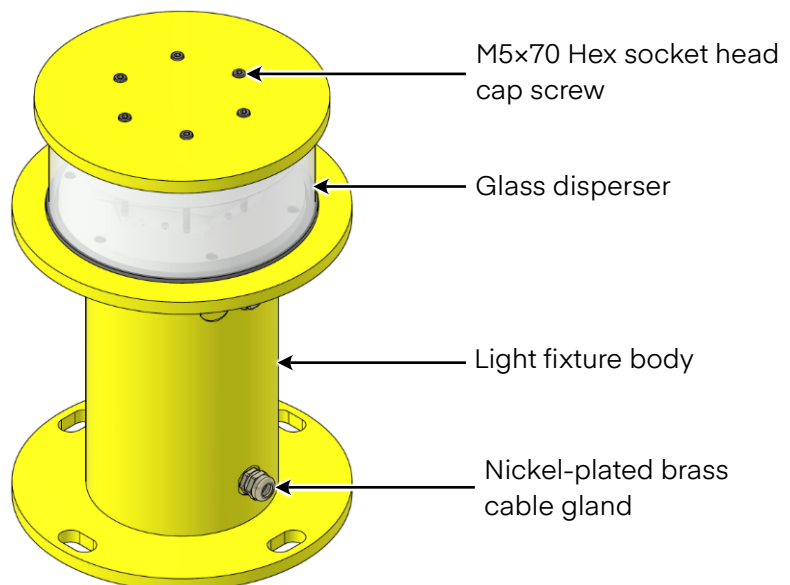
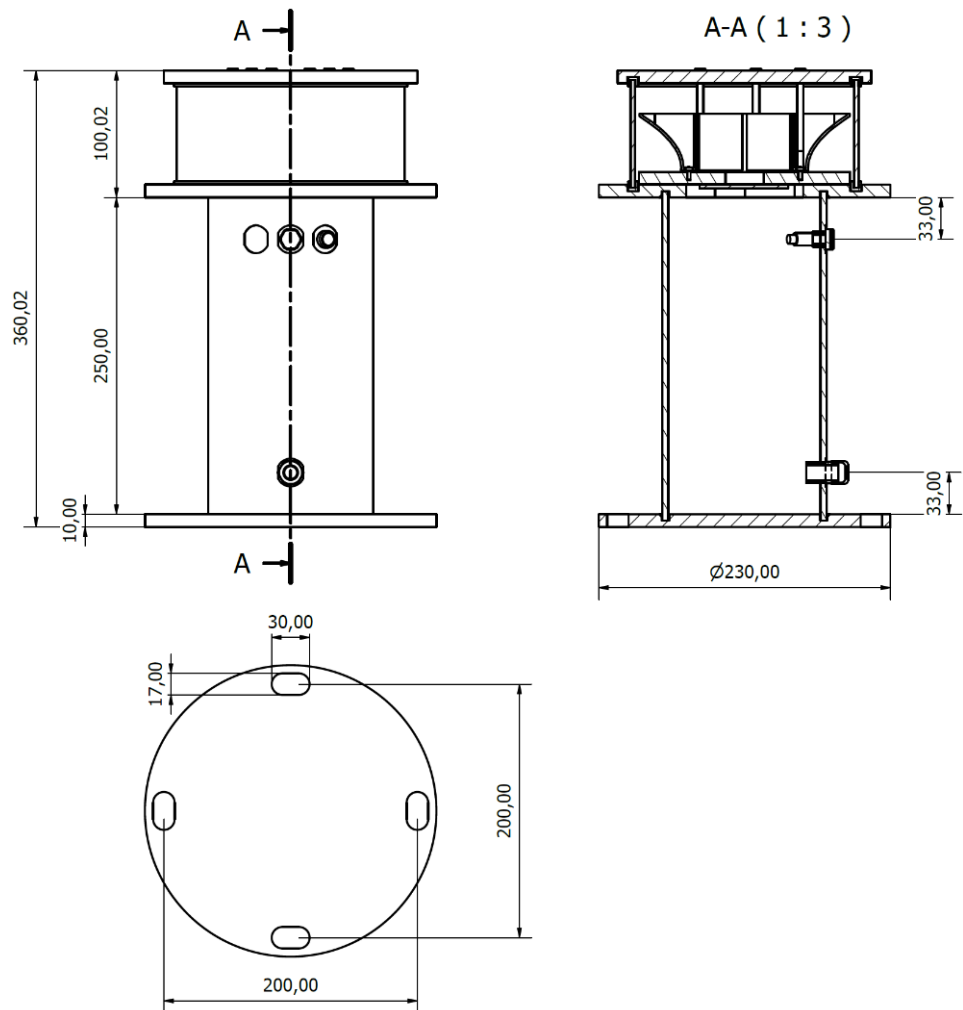
Types of power supply:
-Medium intensity obstruction light - Simple:
230 VAC power supply - 3 core cable
48 VDC power supply - 2 core cable
24 VDC power supply - 2 core cable

Mechanical Characteristics

Diameter: 230 mm

Total height: 360 mm

Weight: 6.5 kg

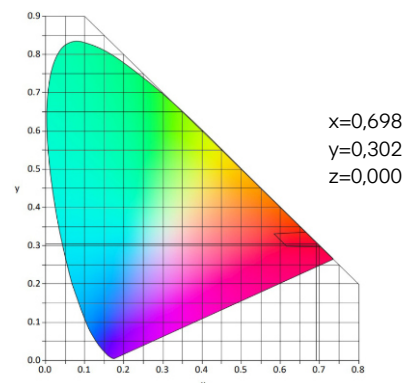


Photometric Characteristics

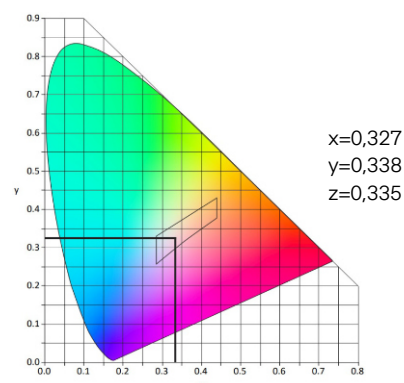
Tested Product	Light intensity [cd]			Light intensity [cd] Vertical elevation -1°		Vertical beam spread		Frequency	
	Prescribed Day/Night	Measured		Prescribed	Measured	Prescribed	Measured	Prescribed	Measured
		max	min						
Type A	Day: 20000 ±25% / Night: 2000 ±25%	24381	16268	min 50% (10000 cd) max 75% (15000 cd)	11520	min 3°	3,11°	20-60 fpm	50
Type B	Day: N/A / Night: 2000 ±25%	Day: N/A / Night: 2478	Day: N/A / Night: 1665	min 50% (1000 cd) max 75% (1500 cd)	1163	min 3°	3,11°	20-60 fpm	50
Type C	Day: N/A / Night: 2000 ±25%	Day: N/A / Night: 2438	Day: N/A / Night: 1670	min 50% (1000 cd) max 75% (1500 cd)	1189	min 3°	3,18°	Fixed	Fixed
Type A/B	Day: 20000 ±25% / Night: 2000 ±25%	Day: 24381 / Night: 2478	Day: 16268 / Night: 1665	min 50% Day:10000 cd Night:1000 cd max 75% Day:15000 cd Night:1500 cd	Day: 11520 / Night: 1163	min 3°	Day: 3,11° / Night: 3,11°	20-60 fpm	Day: 50 / Night: 50
Type A/C	Day: 20000 ±25% / Night: 2000 ±25%	Day: 24381 / Night: 2438	Day: 16268 / Night: 1670	min 50% Day:10000 cd Night:1000 cd max 75% Day:15000 cd Night:1500 cd	Day: 11520 / Night: 1189	min 3°	Day: 3,11° / Night: 3,18°	Day: 20-60 fpm / Night: Fixed	Day: 50 / Night: Fixed

The brightness intensity values comply with
ICAO requirements, Annex 14, Volume I, Table 6-3.

Red light colour emitted by the light fixture, with the following trichromatic coordinates:



White light colour emitted by the light fixture, with the following trichromatic coordinates:

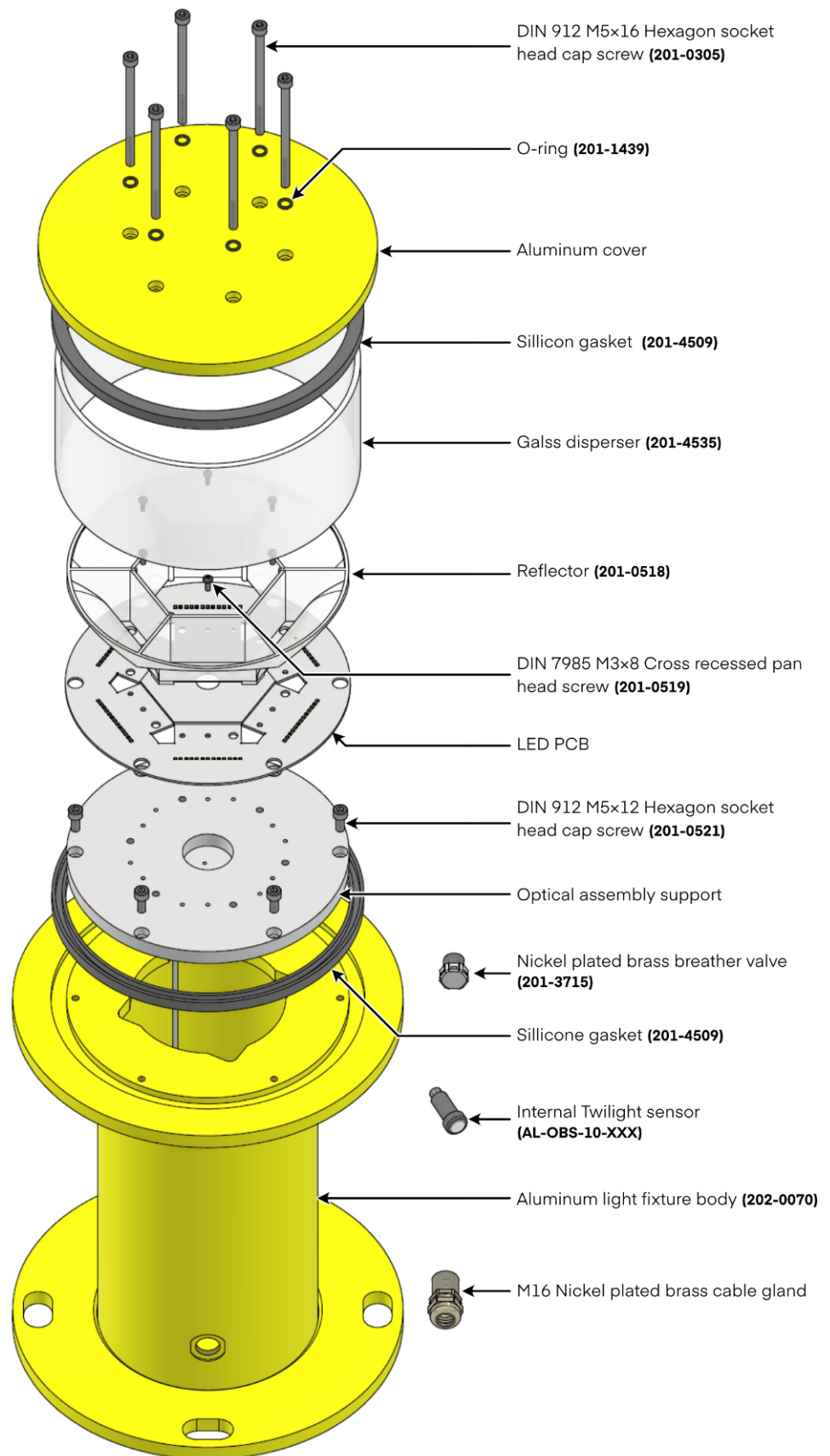


The measured trichromatic coordinates correspond to colour range requirements in:

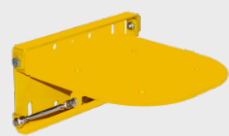
ICAO Annex 14 - Aerodromes Vol.1, fig, A1-1b.
Colours for aeronautical ground lights (solid state lighting)

Photometric Characteristics	Type		Type A	Type B	Type C
	Code		AL-OBS-12-XXX	AL-OBS-13-XXX	AL-OBS-14-XXX
	Light Colour		White	Red	Red
	Signal Type		Flashing	Flashing	Fixed
	Vertical Beam Spread		3°	3°	3°
	Light Intensity	Day	20 000 cd ± 25%	N/A	N/A
		Night	2 000 cd ± 25%	2 000 cd ± 25%	2 000 cd ± 25%
	Number of LEDs		60	84	84
	Twilight Sensor		Yes		
	Options	GPS:		ensures the synchronization of flashing sequences between all obstruction lights.	
PHOTOCELL:		acts as a switch between day mode and night mode, depending on ambient light.			
INFRARED:		emits invisible light that is not visible to the human eye but can be detected by night vision goggles (NVG).			
BLUETOOTH:		enables monitoring and control of the light fixture via a compatible device such as a smartphone or tablet.			

Spare Parts



To order accessories please call our customer support.
For contact details please refer to our website - www.signalight.com

Product Code	Description	Image
AL-128-AX	Wall mounting bracket	



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